

(19)



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(11)

EP 0 738 927 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
20.08.1997 Bulletin 1997/34

(51) Int Cl.⁶: **G03F 7/027**

(43) Date of publication A2:
23.10.1996 Bulletin 1996/43

(21) Application number: **96302638.0**

(22) Date of filing: **16.04.1996**

(84) Designated Contracting States:
BE DE FR GB IT NL

(30) Priority: **19.04.1995 JP 93536/95**
27.04.1995 JP 104480/95
28.06.1995 JP 162445/95

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(54) **Photosensitive resin composition and photosensitive element using the same**

(57) A photosensitive resin composition comprising (A) a binder polymer having carboxyl groups, (B) a photopolymerizable isocyanuric acid derivative having at least one (i.e. three) polymerizable ethylenically unsatu-

rated group in the molecule, and (C) a photoinitiator can provide a film of high mechanical strength, chemical resistance, flexibility, and suitable for producing a photosensitive element.

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EUROPEAN SEARCH REPORT

Application Number
EP 96 30 2638

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	CHEMICAL ABSTRACTS, vol. 93, no. 12, 22 September 1980 Columbus, Ohio, US; abstract no. 116032m, R I DRYAGILEVA ET AL: "Photoinitiated copolymerization of isocyanurate oligomers" page 76; column 1; XP002009676 * abstract * & LAKOKRAS. MATER. IKH. PRIMEN., no. 2, 1980, pages 10-12, ---	1	G03F7/027
X	CHEMICAL ABSTRACTS, vol. 98, no. 4, 24 January 1983 Columbus, Ohio, US; abstract no. 17534y, page 34; column 1; XP002009677 * abstract * & JP 57 108 122 A (DAINIPPON INK AND CHEMICALS INC.) ---	1	TECHNICAL FIELDS SEARCHED (Int.Cl.6) G03F
X	CHEMICAL ABSTRACTS, vol. 98, no. 4, 24 January 1983 Columbus, Ohio, US; abstract no. 17544b, page 34; column 2; XP002009678 * abstract * & JP 57 123 211 A (DAINIPPON INK AND CHEMICALS) --- -/--	1	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14 May 1997	Examiner Heywood, C
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03 02 (P04C01)



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ All claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid,
namely claims:
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions,
namely:

see sheet -B-

- ☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respects of which search fees have been paid,
namely claims:
- ☐ None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims,
namely claims:



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EUROPEAN SEARCH REPORT

Application Number
EP 96 30 2638

DOCUMENTS CONSIDERED TO BE RELEVANT				
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)	
A	CHEMICAL ABSTRACTS, vol. 81, no. 24, 16 December 1974 Columbus, Ohio, US; abstract no. 154746g, page 136; column 2; XP002009679 * abstract * & JP 74 026 337 A (TORAY INDUSTRIES) ---	1		
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D,A	GB 2 085 023 A (HITACHI CHEMICAL COMPANY) * the whole document * & JP 57 055 914 A ---	1		
X	US 3 905 815 A (BONHAM JAMES A) 16 September 1975 * column 5, line 4 * * column 5, line 18 * * column 5, line 67 - line 68; example 3 * ---	9		TECHNICAL FIELDS SEARCHED (Int.Cl.6)
E	PATENT ABSTRACTS OF JAPAN vol. 096, no. 007, 31 July 1996 & JP 08 062841 A (NIPPON KAYAKU CO LTD) * abstract * -----	9		
The present search report has been drawn up for all claims				
Place of search THE HAGUE		Date of completion of the search 14 May 1997	Examiner Heywood, C	
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document</p>				

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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirement of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims 1-8
2. Claims 9-14 (partially) : Where not coincident with claim 1